BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE ELECTRICAL DIVISION

Name of the work :- Detaild estimate for Shifting of existing High Masts to road side and trencless cabling work in Yelahanka Division.

Budget Head: P0486

Division No..... Estimate No. .....

Est Cost Rs. 800000.00

Sl. No	SR Page No	Description	Unit	Qty	Rate	Amount
1	46/ 11.9.7 CSR 2023-24	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency> 1301m/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark / name shall be Engraved / Embossing on the die cast housing / Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. **LED Floodlight 240W**	Each	9	22068.00	198612 00
2	56/ 13.5 CSR 23-24	Fixing halogen/metal halide /SVL/IL/LED floodlight fitting over existingpole /wall ceilingincluding clamps, bolts, nutsandwiring using suitable capacity wires.	Each	9	162 00	1458 00
3	30/66.04 CSR 23-24	Optical Fibre Cable (OFC) and its Accessories HDPE/PLB Pipe 40/33 mm 50/42mm	KM	0.10	85014	8501 40
4	56/28.01 CSR 23-24	Laying of UG Cables by Trenchless Technology (HDD) by adopting Horizontal Boring & Drawing of cable including preparation at site Normal soil 5/6" Bore	Rmtr	100.00	949.00	94900 00
5	13/32 05 CSR 2023-24	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975.25 Sqmm, 4 Core, (13 GI Strips - 4 x 0.8 mm)	KM	0 12	179844.00	21581 28
6	52/21.05 CSR 2023-24	Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff.2.5 to 25 Sqmm LT cable	KM	0.12	20886 00	2506 32

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7	5/ 1.4.2 Vol-1 KPWD SR 2023-24	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of Buildings & bridges and such similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.Depth exceeding 1.5m, but not exceeding 3 m	m^3	22.50	259.00	5827.50
8	(V-III, I.No 13.1 Page No 99, PWD SR 2021-22)	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications (V-III, I.No 13.1 Page No 99, PWD SR 2021-22) Basic Rate 89457/t +10% AW	Kgs	268.00	98.40	26371.20
9	15/ 2.1.3 Vol-1 KPWD SR 2023-24	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates BR 5989/-+10% AW	Cums	1.35	6587.9	8893.67
10	15/ 2.2.1 Vol-1 KPWD SR 2023-24 Basic Rate Rs. 6287/- +35% centoins +10% AW	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.(The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cums	4.15	9336.20	38745.23
11	A-45/76	Mobile Hydraulic Crane 20 t capacity	Hr	20	1132.00	22640.00
12	23/51.04 CSR 23-24	Rod type of earthing using 40 mm Dia, 3 Mtr long MS rod as ground rod, in earth pit of 300 mm width and 3300 mm depth and using 50x6 mm flat welded to ground rod as terminal & connected to equipment ground terminal using PVC Al wire as specified	No	2	2172	4344.00
13	16/5.14.5 CSR 23-24	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 95/100 A 65A	Each	8	10141	81128.00

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14	20/5.42.3 CSR 23-24	Fabricating supplying and mounting MS box made out ....SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover,equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. 18 SWG	cm^2	240000	0.38	91200 00
15	17/5.15.9 CSR 23-24	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS 13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load.For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism.FOUR POLE100Amps 25kA.	Each	8	8487.00	67896 00
16	17/5.18.1 CSR 23-24	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32Amps SP	Each	8	415.00	3320 00
		Total Rs				**677924.60**
		GST 18 % on Item no 1-16				**122026.43**
		Misscelleneous charges				**48.98**
		TOTAL				**800000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on CSR 2023-24.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 800000/-
Rupees EIGHT LAKHS ONLY
under head P0486 Maint R&B Burial Grounds and Burning Ghats ELECTRICAL Crematorium
26 23-24 Sub...
to cons... in enclosed memo
No BBMP/EE(E)/E(E)/42/AS/26/23-24
Dt 30.01.2024
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 800000=00
Rupees EIGHT LAKHS ONLY
Under P0486 Maint R&B Burial Grounds and Burning Ghats Electrical Crematorium
Registered as EE ( ) No. 07/23-24
Subject to conditions contained in enclosed memo ...E ( ) No. BBMP/EE(E)/E(E)/42/ASD/23-24
Dt. 30.01.2024 Estimate A/ Sanctioned No. BBMP/EE(E)/E(E)/42/75/07/23-24
Dated 02-02-2024 Rs. 800000=00
Executive Engineer

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